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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/943,939	08/31/2001	Cedric K. R. H. Bouleau	2051	2051

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EXAMINER

NGUYEN, NHON D

ART UNIT PAPER NUMBER

2179

DATE MAILED: 09/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/943,939

Applicant(s)

BOULEAU, CEDRIC K. R. H.

Examiner

Nhon (Gary) D. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 July 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3, 6-39, 43 and 44 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 6-39, 43 and 44 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

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### DETAILED ACTION

1. This communication is responsive to amendment, filed 07/20/2005.
2. Claims 1-3, 6-39, 43, and 44 are pending in this application. Claims 1, 18, 27, 33, and 39 are independent claims. In this amendment, claims 45-48 are canceled, claims 1-3, 6-17, 18-21, 27-30 and 33-39 are amended, and no claim is added. This action is made final.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-3, 6-39, 43, and 44 are rejected under 35 U.S.C. 102(e) as being anticipated by Carroll, JR (“Carroll”, US 2002/0085020).

As per independent claims 1, 18, 27, and 33 Carroll teaches a computer implemented method and corresponding system for providing a dynamically modifiable user interface comprising the steps/means:

A memory configured to store a UI view definition for the user interface (page 3, [0054] and fig. 22, page 14, [0270]); and

A processor configured to execute a UI view manager, wherein the UI view manager comprises functionality to dynamically generate at run-time the user interface from the UI view

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definition (page 5, [0167] and page 7, [212]), wherein the UI view manager instantiates a wrapped control as part of the user interface (page 3, [0059] and page 5, [0189]), (page 7, [0212] and page 9, [0243]).

As per claim 2, which is dependent on claim 1, Carroll teaches the wrapped control comprises:

a control (page 7, [0214]), a wrapper (page 3, [0059]), and the UI view manager instantiates the wrapped control by providing the control as part of the user interface using the wrapper (page 12, [0256] – page 13, [0263]).

As per claim 3, which is dependent on claim 1, Carroll teaches the user interface comprises a plurality of controls, the wrapped control being one of the controls (e.g. fig. 19).

As per claims 19, 28 and 34, Carroll teaches the UI view manager is operable to dynamically add a new wrapped control to the user interface (page 7, [0212] and page 9, [0243]).

As per claims 21, 30 and 36, Carroll teaches the user interface includes a plurality of controls (e.g. fig. 19); and it is inherent in Carroll system that the UI view manager is operable to dynamically remove an existing control of the controls from the user interface using the GUI builder application (fig. 22).

As per claims 6, 20, 29 and 35, Carroll teaches the UI view manager is operable to dynamically change a function of the wrapped control (page 9, [0244]).

As per claim 7, which is dependent on claim 1, it is inherent in Carroll's system to comprise a UI container, wherein the user interface is provided within an environment provided by the UI container.

As per claim 8, which is dependent on claim 1, Carroll teaches the UI view manager provides the wrapped control as part of the user interface by including a user interface element of the wrapped control in the user interface (page 7, [0210]).

As per claim 9, which is dependent on claim 1, Carroll teaches the UI view manager instantiates the wrapped control as part of the user interface by:

providing functionality of the wrapped control to be performed in response to activating a user interface element of the wrapped control in the user interface (page 7, [0210] and page 12, [0256] – page 13, [0263]).

As per claim 10, which is dependent on claim 1, Carroll teaches the wrapped control comprises:

code to implement a control interface, wherein the implementation of the control interface enables the UI view manager to invoke some behavior of the wrapped control by

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invoking methods of the implementation of the control interface (page 7, [0210] and page 12, [0256] – page 13, [0263]).

As per claim 11, which is dependent on claim 1, Carroll teaches the UI view manager contains an implementation of a UI view interface and the wrapped control invokes function of the UI view interface implementation of the UI view interface to communicate with the UI view manager (page 7, [0210] and page 12, [0256] – page 13, [0263]).

As per claim 12, which is dependent on claim 1, Carroll teaches the UI view manager is operable to dynamically generate the user interface in response to a change to the UI view definition (page 14, [0268]).

As per claim 13, which is dependent on claim 1, Carroll teaches:  
a user interface designer for providing a UI view definition (page 8, [0236]).

As per claim 14, which is dependent on claim 1, Carroll teaches the UI view definition corresponds to an XML file (fig. 17).

As per claim 15, which is dependent on claim 1, Carroll teaches the UI view definition comprises a control definition for the wrapped control, wherein the control definition specifies a user interface element of the wrapped control and a program identifier of code to provide functionality of the wrapped control (page 9, [0243] and [0244]).

As per claims 16 and 17, Carroll teaches the UI view definition comprises a panel definition for a panel of the user interface, wherein the panel definition comprises a control definition for a control to be presented in the panel, wherein the control definition specifies a user interface element of the control and a program identifier of code to provide functionality of the control (page 13, [0264]).

As per claims 22, 23, 31, 32, 37, 38, 43, and 44, Carroll teaches:  
sending a message to and receiving a message from the wrapped control via a control interface associated with the wrapper (page 8, [0220] and page 10, [0247]).

As per claim 24, which is dependent on claim 18, Carroll teaches creating a wrapper comprises implementing at least one function of a control interface (page 9, [0244]).

As per claim 25, which is dependent on claim 24, Carroll teaches the at least one function is a function to cause the control to load a property of the control from the UI view definition (fig. 13; pages 7 and 8, [0214]).

As per claim 26, which is dependent on claim 18, Carroll teaches:  
generating a UI view manager by implementing at least one function of an UI view interface the function create a user interface panel for housing controls, a sixth function to create a user interface panel for adding a control to a user interface panel (page 13, [0264]).

As per independent claim 39, it is a combination of claims 1 and 12; therefore, it is rejected as set for in the rejection of claims 1 and 12, combined.

***Response to Arguments***

5. Applicant's arguments filed 07/20/2005 have been fully considered but they are not persuasive.

Applicant argued the following:

(a) Carroll does not teach or suggest any functionality to allow a user to dynamically change the user interface at run-time; rather, Carroll is limited to modifying the user interface by stopping, modifying the XML representation, and then re-compiling the application with the modified XML representation. (See Carroll paragraph 263 and 268).

Examiner disagrees for the following reasons:

(a) Carroll clearly teaches at page 7, paragraph 212 that a new class associated with an interface element is dynamically loaded in the Java Runtime Environment, which means any change to the user interface of the application is dynamically generated at run-time. Furthermore, Carroll's paragraph 263 and 268 does not teach modifying the user interface by stopping, modifying the XML representation, and then re-compiling the application with the modified XML representation. The stopping and re-compiling only happen when the application stops executing whenever the application is closed, not by modifying to the user interface.



*Conclusion*

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

*Inquiries*

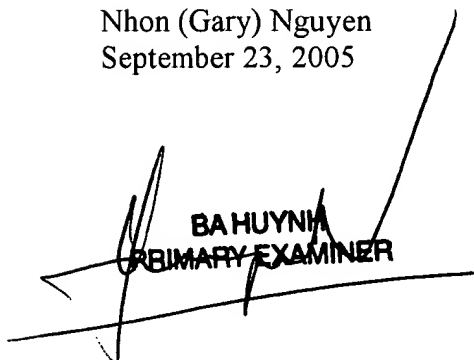
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nhon (Gary) D. Nguyen whose telephone number is (571)272-4139. The examiner can normally be reached on Monday - Friday with every other Monday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571)272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nhon (Gary) Nguyen  
September 23, 2005

  
BA HUYNH  
PRIMARY EXAMINER